The modern intensive care unit presents a formidable challenge to the intensivist. Decisions about treatment and interventions have to be based upon information from an ever increasing number of recording instruments, imaging systems and direct clinical observations.

Computer based administrative software offers a wealth of information but is by nature not intended for minute by minute graphic presentation of trends and comparisons between all available data.

ICUpilot is unique decision support software that offers the opportunity to address the needs of modern intensive care with demands on individualized treatments. The unique interface of ICUpilot offers the opportunity to view, analyze and compare data from a variety of instruments. The retrieved data can be viewed and interpreted in any combination, which offers the opportunity to reveal the individual effects of various therapeutic interventions.

Key features:

Monitor, near real-time, the gradual changes in physical and chemical parameters. Ease-of-use with pre-defined settings and identified adverse events.

Analyze, Compare and Navigate your multimodal data. Full access to data retrieved from existing SQL-based data acquisition systems.

Act on the effects of therapeutic interventions and guide therapy based on relative changes and statistics of different variables.

Microdialysis
ICU monitor
tpO₂ monitor
Blood chemistry analyzer
Drug infusion pumps
Ventilator
and more...

Level Trend Comparison Software for optimizing
Multimodal Monitoring
Multimodal Monitoring with ICUpilot

Instant access to multimodal information
The data is presented as trend curves and the screen is continuously updated as ICUpilot retrieves data from existing SQL-based data acquisition systems.

Follow the effects of interventions
Examine the effect of changing the ventilation or administering drugs or fluids. Move to any time point during the entire period of intensive care in order to examine the effect of a previous intervention.

Monitor and analyze gradual changes in physical and chemical parameters
Analyze what effects a gradual increase in ICP, CPP or temperature has on ischemic markers.

Predefine separate windows highlighting important relationships
Create combinations of variables recorded bedside, ie information from a ventilator, infusion pumps, blood chemistry, brain chemistry, tissue gasses etc.

Drag and drop the variables you want to compare into separate windows
Examine, for example, the relationship between blood pressure and the infusion of phenylephrine by simply dropping the two variables into the same window. The variables are live and will be continuously updated.

Adverse Events for condensation of data
Choose among the pre-defined Adverse Events, eg Pyrexia and Bradychardia. Data is presented as colored trend bands. Use the Adverse Events Summary to get a summary presentation of Adverse Events.

Tools for Level Trend Comparison analysis
List of recorded variables, such as Microdialysis, ICP, CPP, Ventilator, Oxygen, Infusion pumps, etc.

Drag and drop for instant presentation.

Adverse events reporting.

Individualized monitoring and templates.